| 1- | dex | ~5 | Cla | ima |
|----|-----|----|-----|-----|
| ın | aex | OT | Ыā  | ums |



Application/Control No.

10/725,348

Examiner

Laura E. Martin

Applicant(s)/Patent under Reexamination

MITSUZAWA ET AL.

Art Unit

2853

| √ | Rejected |
|---|----------|
| _ | Allowed  |

- (Through numeral) Cancelled

Restricted

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla  | ion                    | _  |  | Date   |              |  |  |  |  |              |  |
|--|------------------------|--|--|--|--------------|--|--|--|--|--------------|--|
| Cla  |                        | L.,  | _  | _  | ᆜ            | Jate   | •  |  | _  |              |  |
| Final  | Original               | 5/11/07  |  |  |              |  |  |  |  |              |  |
|  | 1                      | =  |  |  |              |  |  |  |  |              |  |
|  | 2                      | =  |  |  |              |  |  |  |  |              |  |
|  | 3                      | =  |  |  |              |  |  |  |  |              |  |
|  | 4                      | =  |  | Ī  |              |  |  |  |  |              |  |
|  | 1<br>2<br>3<br>4<br>5. | =  |  |  |              |  |  |  |  |              |  |
|  | 6                      | =  |  |  |              |  |  |  |  |              |  |
|  | 7                      | Ξ  |  |  |              |  |  |  |  |              |  |
|  | 8                      | =  |  |  |              |  |  |  |  |              |  |
|  | 9                      | . <b>=</b>                                       |  |  |              |  |  |  |  |              |  |
|  | 10                     | =  |  |  |              |  |  |  |  |              |  |
|  | 11                     | =  |  |  |              |  |  |  |  |              |  |
|  | 12                     | =  |  |  |              |  |  |  |  |              |  |
|  | 11<br>12<br>13<br>14   | =  |  |  |              |  |  |  |  |              |  |
|  | 14                     | =  |  |  |              |  |  |  |  |              |  |
|  | 15                     | =  |  |  |              |  |  |  |  |              |  |
|  | 15<br>16               | -  |  |  |              |  |  |  |  |              |  |
|  | 17                     | Ŀ  | <u> </u>   |  | <u> </u>     | L  |  |  |  |              |  |
|  | 18                     | <u> </u> -                                       |  |  |              |  |  |  |  |              |  |
|  | 19                     | =  |  |  |              | L  |  |  | <u> </u>   |              |  |
|  | 20                     | Ŀ  | <u></u>  |  |              | <u> </u>   | _  |  |  |              |  |
|  | 21                     | Ŀ  |  |  | L_           |  |  |  |  |              |  |
|  | 22                     | L  |  |  |              | <u> </u>   |  |  |  |              |  |
|  | 23                     | <u> </u>   |  |  | _            |  |  | <u> </u>   |  |              |  |
|  | 24<br>25               | <u> </u>   |  | _  | _            | _  |  |  |  |              |  |
|  | 25                     | <u> </u>   |  |  | <u> </u>     |  |  |  |  |              |  |
|  | 26                     | ļ  |  |  | <u> </u>     |  | <u> </u>   |  | <u> </u>   | Ш            |  |
| ļ  | 27                     | ļ  | <u> </u>   | <u> </u>   | _            |  | <u> </u>   |  |  |              |  |
| <u> </u>   | 28                     | $oxed{oxed}$                                     | _  | <u> </u>   | _            | ļ  | <u> </u>   |  |  |              |  |
| <u> </u>   | 29                     | <u> </u>   |  | _  | _            |  | <u> </u>   |  | <u> </u> _                                       | _            |  |
|  | 30                     | ــــ   | _  | <u> </u>   | <u> </u>     |  |  |  |  | _            |  |
|  | 31                     | <u> </u>   | <u> </u>   | <u> </u>   |              |  |  |  | <u> </u>   | <u> </u>     |  |
| <u> </u>   | 32<br>33               | <u> </u>   |  | <u> </u>   | <del> </del> |  | -  | _  |  | _            |  |
|  | 33                     | $\vdash$   | <u> </u>   | ⊢  | ├            |  |  |  |  | -            |  |
| <u> </u>   | 34<br>35               | ├  | <del> </del>                                     | <del> </del>                                     |              | -  |  |  |  | -            |  |
|  | 36                     |  | -  | -  | ┢            | -  |  | _  |  | $\vdash$     |  |
|  | 37                     | <del> </del>                                     | ⊢  | -  | ├—           | ├—   |  |  |  |              |  |
| <del>                                     </del> | 38                     | ├-   | ├  | -  |              |  | -  |  |  | $\vdash$     |  |
| ļ  | 39                     | ├─   | ├  | ├  |              | ├-   |  |  |  |              |  |
|  | 40                     | <del>                                     </del> | -  |  | -            |  | -  |  | $\vdash$   | $\vdash$     |  |
|  | 41                     | ├  |  | $\vdash$   | $\vdash$     | $\vdash$   | <del>                                     </del> | <u> </u>   | $\vdash$   | <del> </del> |  |
|  | 42                     | ╁┈   | -  | <del> </del>                                     | $\vdash$     | $\vdash$   |  |  | ┢  | $\vdash$     |  |
| <b></b>  | 43                     | <del>                                     </del> |  | <del>                                     </del> | $\vdash$     | _  | t  |  | $\vdash$   |              |  |
|  | 44                     | †  | <del>                                     </del> | $\vdash$   | I            | 1  | t  | $\vdash$   | $\vdash$   | $\vdash$     |  |
| <b> </b>   | 45                     | <b>—</b>   | T  | T  | †            | $\vdash$   | t  | $\vdash$   | $\vdash$   | T            |  |
| <u> </u>   | 46                     | 1  | T  | $\vdash$   | $\vdash$     | <del>                                     </del> | $\vdash$   | <del>                                     </del> | <del>                                     </del> | <del> </del> |  |
| <u> </u>   | 47                     | $T^-$  | Т  | T  | 1            | T  | T  | <del>                                     </del> |  | <u> </u>     |  |
|  | 48                     |  |  | T  | $\vdash$     | 1  | 1  | Т  | $\top$   | T            |  |
| <b> </b>   | 49                     | $\vdash$   | Т  | T  |              |  | 1  | <u> </u>   |  |              |  |
|  | 50                     | +  | -  | t  | t            | -  | t  | $\vdash$   | t-   | $\vdash$     |  |

| Cla          | aim                  |  |              |          |  | Date         |  |          |  |  |
|--------------|----------------------|--|--------------|----------|--|--------------|--|----------|--|--|
|              |                      | $\Box$   |              |          |  |              |  | _        |  |  |
| Final        | Original             |  | i            |          |  |              |  |          |  |  |
|              | 51<br>52<br>53       |  |              |          |  |              |  |          |  |  |
|              | 52                   |  |              |          |  |              |  |          |  |  |
|              | 53                   |  |              |          |  |              |  |          |  |  |
|              | 54                   |  |              | $\Box$   |  |              |  |          |  |  |
|              | 54<br>55             |  |              |          |  |              |  |          |  |  |
|              | 56                   |  |              | $\vdash$ |  |              |  |          |  |  |
|              | 57<br>58             |  |              | Г        |  |              |  |          |  |  |
|              | 58                   |  |              |          |  |              |  |          |  |  |
|              | 59                   |  |              |          |  |              |  |          |  |  |
|              | 60                   |  |              |          |  |              |  |          |  |  |
|              | 61                   |  |              |          |  |              |  |          |  |  |
|              | 62                   |  |              |          |  |              |  |          |  |  |
|              | 63                   |  |              |          | <u> </u>   | $\Box$       | <u> </u>   | _        |  | L  |
| <u> </u>     | 64<br>65             |  |              | L        |  |              |  | _        | <u> </u>   | L  |
|              | 65                   | _  |              | <u> </u> | <u> </u>   | <u> </u>     |  | L        |  | <u> </u>   |
|              | 66<br>67             |  | ļ            | ļ        | <u> </u>   | ļ            | ļ  | <u> </u> | _  | <u> </u>   |
|              | 67                   | -  | _            | <u> </u> |  | _            | _  | _        | <u> </u>   | <u> </u>   |
| <u> </u>     | 68                   | -  |              | _        | ļ  | -            |  |          | <u> </u>   | <u> </u>   |
|              | 69<br>70             |  |              |          |  | -            |  | $\vdash$ | <del> </del>                                     | -  |
|              | 71                   | -  |              |          | -  | ├-           |  |          |  | $\vdash$   |
| -            | 72                   |  |              |          | -  | -            |  |          | -  | -  |
| -            | 73                   |  |              | ┢        | -  | -            |  |          | -  | -  |
|              | 74                   |  |              | $\vdash$ | <del>                                     </del> |              |  | $\vdash$ |  | $\vdash$   |
| -            | 72<br>73<br>74<br>75 |  |              |          | _  |              |  | $\vdash$ | Г  | $\vdash$   |
|              | 76                   |  |              |          |  |              |  |          |  |  |
|              | 77<br>78             |  |              |          |  |              |  |          |  |  |
|              | 78                   | _  |              |          |  |              |  |          | <u></u>  |  |
|              | 79                   | <u> </u>   | _            |          |  |              |  | <u> </u> | <u> </u>   |  |
|              | 80                   | _  | <u> </u>     | ļ        | <b> </b>   |              | <u> </u>   | _        | ļ  |  |
| -            | 81                   | _  | _            | ├        | ļ  | -            | <u> </u>   | <u> </u> | <u> </u>   |  |
| -            | 82<br>83             | <del> </del> -                                   | -            |          |  | ├            | ⊢  | _        | <del>                                     </del> | ⊢  |
| -            | 84                   | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$ | ├  | -  |
| <del> </del> | 85                   | $\vdash$   | $\vdash$     | $\vdash$ |  | $\vdash$     | <del>                                     </del> | $\vdash$ | $\vdash$   | <del> </del>                                     |
|              | 86                   | $\vdash$   | -            | $\vdash$ | $\vdash$   | <del> </del> |  |          | <del>                                     </del> |  |
|              | 86<br>87             | $\vdash$   |              |          | $\vdash$   | $t^-$        |  | $\vdash$ |  | $\vdash$   |
|              | 88                   |  |              |          |  | Τ            |  |          | <del> </del>                                     | Г  |
|              | 89                   |  |              |          |  |              |  |          |  |  |
|              | 90                   | ļ  | Ĺ            | L        | $\perp$  | L            | L_   | L        |  | Ĺ  |
| <u> </u>     | 91                   | <u> </u>   | <u> </u>     | _        | <u> </u>   | <u> </u>     | ļ  | _        | _  | <u> </u>   |
|              | 92                   | <u> </u>   | L            | ऻ_       |  | <u> </u>     | _  | _        | ├  | <u> </u>   |
| -            | 93                   | <del> </del>                                     | <u> </u>     |          | -  | ├-           | <del> </del>                                     | <u> </u> | -  | -  |
|              | 94<br>95             | -  | -            | -        | -  | -            | -  | -        | -  | -  |
|              | 96                   | <del>                                     </del> | $\vdash$     | $\vdash$ | $\vdash$   | +-           | $\vdash$   | $\vdash$ | $\vdash$   | H  |
|              | 97                   | $\vdash$   | <del> </del> | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$   | -        |  | <del>                                     </del> |
|              | 98                   |  | _            | 1        | <del>                                     </del> | 1            | T  | $\vdash$ | 1  | $\vdash$   |
|              | 99                   |  |              | Τ        | T  | T            |  |          | T  | $\vdash$   |
|              | 100                  |  |              |          |  |              |  |          |  |  |
|              |                      | -  |              |          |  |              |  |          |  |  |

| Claim     |   | Date     |          |          |     |          |          |          |          |          |  |
|-----------|---|----------|----------|----------|-----|----------|----------|----------|----------|----------|--|
|           |   |          |          |          |     |          |          |          |          |          |  |
| ā         | Original  |          |          |          |     |          |          |          |          |          |  |
| Final     | rig   |          |          | 1        |     |          |          |          |          |          |  |
|           | 0   |          |          |          |     |          |          |          |          | i        |  |
|           | 101   | _        |          |          |     |          |          |          |          |          |  |
|           | 101<br>102<br>103<br>104<br>105   |          |          |          |     |          |          |          |          | _        |  |
|           | 103   | -        | _        |          | =   |          |          |          |          | _        |  |
|           | 104   |          |          |          | _   | _        |          |          |          |          |  |
|           | 105   |          |          |          | _   | $\vdash$ | $\vdash$ |          |          |          |  |
|           | 106   | _        |          | $\vdash$ | _   | _        | -        |          | -        |          |  |
|           | 106<br>107  | _        |          |          | -   |          |          |          |          |          |  |
|           | 108   |          | $\vdash$ | $\neg$   |     | Н        | -        |          | -        |          |  |
| <b></b> - | 100   | _        |          |          |     | -        | $\vdash$ |          | _        |          |  |
| <u> </u>  | 109<br>110  | -        |          |          | -   |          |          |          |          |          |  |
| <b></b>   | 111   | H        |          | _        | -   | -        | ┝        |          |          |          |  |
|           | 111   |          |          |          |     |          |          | _        | -        |          |  |
|           | 112   | $\vdash$ | -        | $\vdash$ | _   |          | -        | $\vdash$ |          |          |  |
| <u> </u>  | 113   |          | -        | <u> </u> |     |          | <u> </u> | $\vdash$ | $\vdash$ | <u> </u> |  |
| <u> </u>  | 114   | <u> </u> | <u> </u> | _        |     |          |          |          | -        |          |  |
| <u> </u>  | 115   | <u> </u> |          |          | _   | _        |          | _        |          |          |  |
| <u> </u>  | 112<br>113<br>114<br>115<br>116<br>117  | <u> </u> | <u> </u> | _        |     | -        | <u> </u> | ļ        | <u> </u> |          |  |
| <u> </u>  | 117   | <u> </u> |          |          |     |          | _        | <u> </u> |          |          |  |
| <b> </b>  | 118   |          | _        |          |     | _        | _        | _        | _        |          |  |
|           | 119   | _        | _        | _        |     |          |          |          | ļ        |          |  |
|           | 120   |          |          |          |     |          |          | <u> </u> | _        | _        |  |
|           | 121   |          | _        |          |     |          |          |          |          | ļ        |  |
|           | 122   |          | _        | <u> </u> |     |          | <u>L</u> |          |          |          |  |
|           | 118<br>119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130 | _        | <u> </u> | <u> </u> |     |          | _        |          |          |          |  |
|           | 124   | _        |          | L        |     |          | _        |          |          |          |  |
|           | 125   | _        | <u> </u> |          | L., | <u> </u> | _        | L        |          |          |  |
|           | 126   | _        | 匚        |          |     | L_       | <u> </u> | <u> </u> |          |          |  |
|           | 127   | _        |          |          |     |          | _        | L        |          |          |  |
|           | 128   | _        |          |          |     | _        | _        | _        |          |          |  |
|           | 129   |          | _        |          |     | <u></u>  |          |          |          |          |  |
|           | 130   |          |          |          |     | 匚        | L        | <u>_</u> |          |          |  |
| L         | 131   |          |          |          |     |          |          |          |          |          |  |
|           | 132   |          | L        |          | L.  |          |          |          |          |          |  |
|           | 132<br>133<br>134   | L        | L        | L        |     | L        | L        |          |          |          |  |
|           | 134   |          | <u> </u> |          | _   | <u>_</u> |          |          |          |          |  |
|           | 135<br>136  |          |          |          |     |          |          |          |          |          |  |
|           | 136   | L        |          | L        |     | Ĺ        |          | L        | _        |          |  |
|           | 137<br>138<br>139   |          |          |          |     |          |          |          |          | L        |  |
|           | 138   |          |          |          | L   |          |          |          |          |          |  |
|           | 139   |          |          |          | L   |          |          | L        |          | L        |  |
|           | 140   |          |          |          |     |          |          |          |          |          |  |
|           | 141   | L        |          |          |     |          |          |          |          |          |  |
|           | 142   |          |          |          |     |          |          |          |          |          |  |
|           | 143   |          |          |          |     | $L^-$    | $\Box$   |          |          |          |  |
|           | 144   |          | I        |          |     |          |          |          |          |          |  |
|           | 145   |          | Ľ        |          |     |          |          | Ľ        |          |          |  |
|           | 146   |          |          |          |     |          |          |          | Γ,       |          |  |
|           | 147   |          |          |          |     |          |          |          |          |          |  |
|           | 148   | П        | Π        |          |     |          |          |          |          |          |  |
|           | 149   |          | Γ        |          | Ī., |          |          |          | Ī        |          |  |
|           | 150   |          | Γ        |          | Γ   |          |          |          |          |          |  |